

data the diagnosing and/or analysing means **14** select the appropriate coefficients and/or parameters and/or algorithms which are stored in the memory member **18**. In case of an evaluation which requires precise temperature measurements the diagnosing and/or analysing means **14** evaluate the respective concentration value in accordance to the probe temperature.

[0047] The results of this evaluation and/or administrative data can be stored in the storage means **10** of the respective cartridge **2**, in particular in case of a multiple use cartridge **2**. To this aim the apparatus **3** comprises writing means which preferably are incorporated in the reading means **15**. There also may be provided processing means for controlling the data transfer, in particular storing and/or altering of data. This processing means preferably will be incorporated in the diagnosis and/or analysing means **14**. E.g. in case of a single use cartridge **2** a used signal or stamp is stored on its storage means **10**. In case of a multiple use cartridge **2** a usage counter is increased. For multiple use cartridges **2** it is also possible to store the results of each measurement together with the patient and/or operator identification codes and a time or date signal or stamp. Therefore a set of data is provided which finally can be transferred to a data management system, e.g. by plugging the used cartridge **2** into a special reader.

[0048] List of References

- [0049] 1. system for point of care diagnosis and/or analysis
- [0050] 2. cartridge
- [0051] 3. diagnosis and/or analysis apparatus
- [0052] 4. sample receiving room
- [0053] 5. filler socket
- [0054] 6. concentration measuring means
- [0055] 7. electrode
- [0056] 8. connecting means of **2**
- [0057] 9. temperature measurement means
- [0058] 10. storage means
- [0059] 11. radio frequency transfer means of **2**
- [0060] 12. antenna of **11**
- [0061] 13. connecting means of **3**
- [0062] 14. diagnosing and/or analysing means
- [0063] 15. reading means
- [0064] 16. radio frequency transfer means of **3**
- [0065] 17. antenna of **16**
- [0066] 18. memory member of **3**
- [0067] 19. display means
- [0068] 20. interface
- [0069] 21. connecting between **2** and **3**

1. A cartridge of a system for point of care diagnosis and/or analysis of body fluids of a patient, comprising:

a sample receiving room (**4**) for receiving a calibration fluid and/or a sample of the body fluids to be diagnosed and/or analysed,

means (**6**) for measuring the concentration of at least one specific component of the sample, electric or optical connecting means (**8**), with which the cartridge (**2**) is connectable to a diagnosis and/or analysis apparatus (**3**), and at which an electric or optic value is measurable correlating with the concentration of the respective component,

storage means (**10**) for storing cartridge specific data and/or information readable for the diagnosis and/or analysis apparatus (**3**).

2. The cartridge of claim 1, wherein the cartridge specific data and/or information comprises at least one of the following data and/or information:

calibration and/or characterisation data relating to the respective cartridge (**2**),

manufacturing lot data relating to the lot, to which the respective cartridge (**2**) belongs,

production date of the respective cartridge (**2**),

shelf life information or expiry date of the respective cartridge (**2**), cartridge type information like single/multi use, number and type of measurement parameters,

unique serial number of the respective cartridge (**2**).

3. The cartridge of claim 1 or 2, wherein the cartridge (**2**) comprises means (**9**) for temperature measurement, wherein an electrical value correlating with the temperature of the sample is measurable at the connecting means (**8**), wherein the cartridge specific data and/or information comprises calibration data of the temperature measurement means.

4. The cartridge according to any one of the claims 1 to 3, wherein the storage means (**10**) are provided to be writable and wherein at least one of the following additional data and/or information is storable or alterable in the storage means (**10**):

in case of a single use cartridge (**2**) it is stored, whether it is used or not,

in case of a multiple use cartridge (**2**) it is stored, how often and/or since when it is used,

the results of each diagnosis and/or analysis relating to the respective cartridge (**2**) are stored, wherein a patient identification information and/or an operator identification information and/or an identification information relating to the diagnosis and/or analysis apparatus (**3**) and/or the date of the diagnosis and/or analysis may be stored additionally.

5. The cartridge according to any one of the claims 1 to 4, wherein electric, electronic, and/or optical data transfer means (**8**, **11**) are provided for reading and/or writing and/or altering data and/or information stored in the storage means (**10**).

6. The cartridge according to claim 5, wherein the data transfer means comprise the respective connecting means (**8**) of the cartridge and/or radio frequency transfer means (**11**).

7. The cartridge according to any one of the claims 1 to 6, wherein the storage means (**10**) comprise an electrical,